ICBAKE 2013
Program

Friday, 5 July 2013
11:00-Registration
13:00-13:15 Opening Ceremony
13:15-16:30 Keynote Speech
16:45-17:45 Panel Discussion
18:15-20:15 Welcome Party: UDX Gallery Next3 (Akihabara UDX Building 4F)

Saturday, 6 July 2013
9:00-10:20 Oral Session 1A (Room A)
9:00-10:20 Oral Session 1B (Room B)
10:30-11:50 Oral Session 2A (Room A)
10:30-11:50 Oral Session 2B (Room B)
11:50-13:10 Break for Lunch
13:10-14:40 Poster Session 1
14:50-16:10 Oral Session 3A (Room A)
14:50-16:10 Oral Session 3B (Room B)
16:20-17:20 Oral Session 4A (Room A)
16:20-17:20 Oral Session 4B (Room B)
18:00-20:30 Conference Banquet: Yakatabune – Miuraya

Sunday, 7 July 2013
9:10-10:30 Oral Session 5A (Room A)
10:40-12:00 Oral Session 6A (Room A)
12:00-13:30 Break for Lunch
13:30-15:00 Poster Session 2
15:00-15:20 Closing Ceremony
Program (Authors and Papers)

Friday, 5 July 2013  --------------------------------------------------------------------------------------------------------

11:00 Registration

13:00-13:15 Opening Ceremony

13:15-16:30 Keynote Speech

  13:15-13:45 (K1) Khalid Saeed
  13:45-14:15 (K2) Akira Otsuka
  14:15-14:45 (K3) Masatsugu Ichino
      Break (15 minutes)
  15:00-15:30 (K4) Satori Hachisuka
  15:30-16:00 (K5) Toshikazu Kato
  16:00-16:30 (K6) Tomomasa Nagashima
      Break (15 minutes)

16:45-17:45 Panel Discussion

      Chair: Khalid Saeed
      Co-chair: Tomomasa Nagashima

      Panelist: Toshikazu Kato
      Panelist: Satori Hachisuka
      Panelist: Akira Otsuka
      Panelist: Masatsugu Ichino

18:15-20:15 Welcome Party

      UDX Gallery Next3 (Akihabara UDX Building 4F)
      03-4577-8600
Saturday, 6 July 2013

9:00-10:20 **Oral Session 1A (Room A)**  
Chair: Tetsuo Hattori

(1A-1) **Ken Ishibashi and Kazunori Miyata**: Grid Layout Generator using Interactive Evolutionary Computation

(1A-2) **Chandra Reka Ramachandiran and Nazean Jomhari**: Kansei Engineering; Emotion Exploration in Blogs

(1A-3) **Yasufumi Takama and Kohei Ishiguro**: Interactive Context Search System for Exchange Rate Data Using Granularity-dependent Similarity Calculation of Temporal Data

(1A-4) **Shun Nomura, Yihsin Ho and Toru Yamaguchi**: Acquiring Personal Keyword based on Communication Log for Pass-by Wireless Communication on Smartphone

Break (10 minutes)

9:00-10:20 **Oral Session 1B (Room B)**  
Chair: Ashu Marasinghe

(1B-1) **Yoko Suzuki and Hisashi Yamamoto**: Quantitative Analysis in Impression for Trademarks, Symbols and Logotypes of Corporations in Terms of Customers’ Familiarity

(1B-2) **Yusuke Kawakami, Tetsuo Hattori, Daisuke Kutsuna, Haruna Matsushita, Yoshiro Imai, Hiromichi Kawano and Janaka Rajapakse**: An automated color image arrangement method based on histogram matching

(1B-3) **Hideaki Mizuhashi, Masayoshi Kamijo, Hiroaki Yoshida and Masahiko Kubo**: Investigation of comfort of underwear made of mixed polypropylene fabric when warming up

(1B-4) **Rajiv Khosla, Mei-Tai Chu and Khanh Nguyen**: Enhancing Emotional Well Being of Elderly Using Assistive Social Robots in Australia

Break (10 minutes)

10:30-11:50 **Oral Session 2A (Room A)**  
Chair: Khalid Saeed

(2A-1) **Krzysztof Wrobel, Rafal Doroz and Malgorzata Palys**: A Method of Lip Print Recognition Based on Sections Comparison

(2A-2) **Rafal Doroz, Piotr Porwik and Krzysztof Wrobel**: Signature Recognition Based on Voting Schemes

(2A-3) **Keiichi Yonemura, Fuminori Ono and Katsumi Watanabe**: Person recognition based on memory of back view
(2A-4) Atsushi Sugama and Akihiko Seo; Waveform Analysis for Human Handling Force Data Using Wavelet Transform

10:30-11:50 **Oral Session 2B (Room B)**  **Chair: Makoto Fukumoto**

(2B-1) R.P.C. Janaka Rajapakse, Ashu Marasinghe and Tetsuo Hattori; Kansei-based Color Balancing for Motion Graphics

(2B-2) Manabu Chikai, Akira Shionoya, Ashu Marasinghe and Hitoshi Miyake; A Cognitive Psychological Approach to Identify the Significance of the Role of Visual Sense in Haptic Sense

(2B-3) Ai Yoto, Hidehiko Yokogoshi, Tsuyoshi Moriyama, Yoriyuki Nakamura, Tsuyoshi Katsuno and Tsutomu Nakayama; Effect of Smelling Green Tea Rich in Aroma Components on EEG Activity and Memory Task Performance

(2B-4) Hironobu Kamimura, Takashi Uozumi, Jun Miura, Haruki Sasaki and Noriaki Kaneki; Effect of different flavors on physiological and psychological responses after soup intake with nutritional equivalence

11:50-13:10 **Break for Lunch**

13:10-14:40 **Poster Session 1**

(P1-1) Koichi Kurita; Differences between Individuals with Temporal Change in Plantar Surface Contact Area in Walking Motion

(P1-2) Isao Nakanishi, Takashi Inada, Yuuta Sodani and Shigang Li; Performance Evaluation of Intra-Palm Propagation Signals as Biometrics

(P1-3) Kazutaka Ohnuki, Tomohiko Ohtsuka and Hiroyuki Aoki; Reliable Iris Detection by Boundary Search using Haar-like Features

(P1-4) Krzysztof Misztal, Adam Szczepański, Przemysław Kocjan, Khalid Saeed and Jacek Tabor; Distribution estimation applied to face recognition as a simple and robust solution

(P1-5) Małgorzata Palys, Rafal Doroz and Piotr Porwik; On-line signature recognition based on an analysis of dynamic feature

(P1-6) Yutaro Nakamura, Kimihiro Yamanaka, Mi Kyong Park and Mitsuyuki Kawakami; Basic Study for Promoting Driving Safety Support Systems among Elderly Drivers

(P1-7) Kyoshiro Sasaki, Shuichiro Taya and Kayo Miura; Increase in numerical magnitude from left-to-right shortens perceived time

(P1-8) Hiroshi Ueda, Yasunori Arita and Katsumi Watanabe; Effects of different manners of speaking on voice likeability, credibility, and intentionality ratings

(P1-9) Masaki Ishii, Atsushi Minochi, Kimihiro Yamanaka and Takanori Chihara; Evaluation of mental workload based on pursuit eye movement
(P1-10) **Yusuke Ohta and Keiko Kasamatsu**; Characteristics of the Appearance and Uniqueness of Humidifiers

(P1-11) **Shinpei Koga, Takafumi Inoue and Makoto Fukumoto**; A Proposal for Intervention by User in Interactive Genetic Algorithm for Creation of Music Melody

(P1-12) **Takafumi Inoue and Makoto Fukumoto**; Creation of Sound Contents by Extended Interactive Evolutionary Computation Using Heart Rate Variability

(P1-13) **Elizabeth Benitez, Alejandro Hernandez, Jose Reyes and Ashu Marasinghe**; Kansei Engineering in Gigakuman Character Design

Break (10 minutes)

14:50-16:10 **Oral Session 3A (Room A)**  **Chair: Yoshio Shimizu**

(3A-1) **Masataka Aoi, Kazuma Hashimoto, Hiroaki Yoshida and Masayoshi Kamijo**; Evaluation of Sleeping Comfort of Bed Mattresses with Different Elastic Moduli for Each Body Region


(3A-3) **Prabath Weerasinghe, Ashu Marasinghe, Rasika Ranaweera, Senaka Amarakeerthi and Michael Cohen**; Emotion Expression For Affective Social Communication

(3A-4) **Jose Manuel Garcia Mendoza and Ashu Marasinghe**; Kansei Color Concepts in Interface Design for Mexican and Japanese E-Commerce Websites

Break (10 minutes)

14:50-16:10 **Oral Session 3B (Room B)**  **Chair: Takashi Uozumi**

(3B-1) **Masatoshi Imai, Yoshiro Imai and Tetsuo Hattori**; A Scheme of Resource Discovery in Reproductive Design Education - Trial Evaluation of SNS-Contributed Design Education

(3B-2) **Chamara Promod Liyanage and Ashu Marasinghe**; Planning Smart Meal in a Smart City for a Smart living

(3B-3) **Tetsuya Miyoshi, Hidetoshi Nakayasu, Midori Mori and Masao Nakagawa**; Analysis of Evacuation Behavior in Aircraft Accident Using Evacuation Model Based on MAS

(3B-4) **Saromporn Charoenpit and Michiko Ohkura**; A Proposal of New E-Learning System Design Focusing on Emotional Aspects Using Biological Signals
Break (10 minutes)

16:20-17:20 **Oral Session 4A** (Room A)  **Chair: Piotr Porwik**

(4A-1) **Daishi Watabe, Takanari Minamidani, Wenbo Zhao, Hideyasu Sai and Jianting Cao;** Effect of barrel distortion and super-resolution for single-view-based ear biometrics rotated in depth

(4A-2) **Łukasz Smacki;** Latent Lip Print Identification Using Fast Normalized Cross-Correlation

(4A-3) **Masayuki Daikoku and Nobuyuki Nishiuchi;** Proposal of New Security System Using the Three-Dimensional Motion of the Finger

16:20-17:20 **Oral Session 4B** (Room B)  **Chair: Hironobu Kamimura & Ashu Marasinghe**

(4B-1) **Jay Rajasekera and Hiranthi Karunasena;** Apparel Design for Global Market: Kansei Engineering Perspective

(4B-2) **Sugeeswari Lekamge and Ashu Marasinghe;** Developing a Smart City Model that ensures the Optimum Utilization of Existing Resources in Cities of All Sizes

(4B-3) **Yasuko Kawahata, Etsuo Genda and Akira Ishii;** Revenue Prediction of Music Concerts Using the Mathematical Model of Hit Phenomena

18:00-20:30 **Conference Banquet**

Yakatabune - Miuraya

[http://www.funayado-miuraya.co.jp/](http://www.funayado-miuraya.co.jp/)

**Sunday, 7 July 2013**

9:10-10:30 **Oral Session 5A** (Room A)  **Chair: Masayoshi Kamijo**

(5A-1) **Mitoko Nakashima;** Study on the Community Facility Adjacent to the Small-Scale Multi-Functional Care Facility for Elderly People in Omuta City

(5A-2) **Somchanok Tivatansakul and Michiko Ohkura;** Healthcare System Focusing on Emotional Aspects Using Augmented Reality - Implementation of Breathing Control Application in Relaxation Service

(5A-3) **Yoshiro Imai, Hirokazu Kawasaki, Tetsuo Hattori, Shinichi Masuda, and Yukio Hori;** Performance Evaluation of Line-Sensor 3CCD Camera and Comparison of Specialist’s Determination and Numerical Approach

(5A-4) **Mitsuki Kitani and Hideyuki Sawada;** Mechanical Reproduction of Human-like Expressive Speech Using a Talking Robot
10:40-12:00 **Oral Session 6A (Room A)**  
Chair: Isao Nakanishi

(6A-1) Nobuyuki Nishiuchi and Hiroka Soya; Biometrics to Prove Agreement at the Same Time and Place for Two Users

(6A-2) Yuta Sato, Fumitsugu Akazawa, Daigo Muramatsu, Takashi Matsumoto, Atsushi Nakamura and Takayuki Sota; An Authentication Method by High Spectral Resolution Palm Datacube

(6A-3) Mariusz Rybnik, Marek Tabędzki, Marcin Adamski and Khalid Saeed; An Exploration of Keystroke Dynamics Authentication using Non-fixed Text of Various Length

(6A-4) Eri Shimokawara, Tetsuya Kaneko, Toru Yamaguchi, Makoto Mizukawa, and Nobuto Matsuhira; Estimation of Basic Activities of Daily living using ZigBee 3D Accelerometer Sensor Network

12:00-13:30 Break for Lunch

13:30-15:00 **Poster Session 2**

(P2-1) Hiroyuki Ogata, Yuya Sakamoto, Toshinobu Takei and Akira Torige; Hand Shape Discrimination in Touch Interface Toward Personal Authentication on a Tablet Computer

(P2-2) Adam Szczepański and Khalid Saeed; Real-Time ECG Signal Feature Extraction for the Proposition of Abnormal Beat Detection - Periodical Signal Extraction

(P2-3) Marcin Adamski, Khalid Saeed, Marek Tabędzki and Mariusz Rybnik; Signature system based on extended Shape Context Descriptors

(P2-4) Tatsuya Nakata, Masayuki Kashima, Kiminori Sato and Mutsumi Watanabe; Lip-sync Personal Authentication System Using Movement Feature of Lip

(P2-5) Yuichiro Hamano and Nobuyuki Nishiuchi; Usability Evaluation of Text Input Methods for Smartphone among the Elderly

(P2-6) Ayumi Shiga and Nobuyuki Nishiuchi; A Support System for Making Persona Using Bayesian Network Analysis

(P2-7) Kanako Fukuda and Nobuyuki Nishiuchi; Proposal for Objective Evaluation of User Experiences

(P2-8) Chihiro Saegusa and Katsumi Watanabe; Hair-color matching and self-concept: An exploratory study on Japanese women

(P2-9) Tomomi Yasuda, Takeshi Tanaka, Nobuyuki Fujimura, Akihiro Yamada and Tetsuo Hattori; Suggestion of an IC design education method for understanding intuitively and feelingly
(P2-10) Na Chen, Kanji Tanaka, Daisuke Matsuyoshi and Katsumi Watanabe; Correlated preferences for color and shape

(P2-11) Junichi Fujita, Tetsuo Hattori and Kensho Okamoto; Novel Audio Amplifier System Using Opt-coupling of LED and PD

Break (10 minutes)

15:00-15:20 Closing Ceremony